



WOSC10

PREVIEW QUESTION BANK

Module Name : Drugs Food and Pharma-E

Exam Date : 25-Mar-2018 Batch : 11:00-13:00

[First](#) [Previous](#) [Next](#) [Last](#) Page 1 of 1

Sr · No.	Client Question ID	Question Body and Alternatives	Marks	Negative Marks
Objective Question				
1	1	Fedaration Cup, World Cup, Allwyn International Trophy and Challenge Cup are awarded to winners of A1 : Tennis A2 : Volleyball – (Correct Alternative) A3 : Basketball A4 : Cricket	1.0	0.25
Objective Question				
2	2	Which is the first country in the world to use drones for national mail service? A1 : Russia	1.0	0.25

		<p>A2 France – (Correct Alternative) :</p> <p>A3 Sweden :</p> <p>A4 China :</p>		
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Objective Question				
3	3	<p>Consider the following materials/objects:</p> <p>A. Comea B. Diamond C. Silicon D. Sodium Chloride</p> <p>The above materials/objects when arranged in increasing order of refractive index would be as follows:</p> <p>A1 ADCB :</p> <p>A2 ADBC – (Correct Alternative) :</p> <p>A3 DABC :</p> <p>A4 DACB :</p>	1. 0	0.2 5

Objective Question				
4	4	<p>Various developed countries often claim that cattles in less developed countries are responsible for huge release of green house gases, thus causing green house effect. The developed countries often use this logic that these countries have lot of low yield cattle and if high yield cattle are adopted on a large basis, then release of significant amount of greenhouse gases can be checked from releasing in the atmosphere. Cattles release the greenhouse gases due to:</p>	1. 0	0.2 5

		<p>A1 Methanogenic bacteria in the stomach – (Correct Alternative)</p> <p>A2 : Improper handling of cow waste (eg: cow-dung, urine,etc.)</p> <p>A3 : Improper handling of leftover fodder</p> <p>A4 : High use of chemical fertilizers in agriculture</p>		
Objective Question				
5	5	<p>Consider the following statements and select the wrong option</p> <p>A1 If a person is stung by a honeybee it causes pain and irritation. In such case, if baking soda is applied to the area, it provides relief to the person.</p> <p>A2 : Vitamin E is helpful in relief from sunburns</p> <p>A3 On various sunscreen creams/lotions SPF is mentioned. : SPF stands for Sun Protection Factor. SPF 20 means that the lotion is protecting you from 20% of the harmful UV radiations in the sunlight. – (Correct Alternative)</p> <p>A4 Vitamin D is required for the absorption of calcium by human beings</p>	1. 0	0.2 5
Objective Question				
6	6		1. 0	0.2 5

		<p>Following are some observed natural phenomena :</p> <p>A. Mirage seen in places like deserts</p> <p>B. In winter sound of a whistle of a railway engine is heard at much longer distances</p> <p>C. Twinkling of a star in night as seen by naked eye</p> <p>D. Visibility of sun for some time after the sunset</p> <p>Which of the above natural phenomena are related to the variation in density of atmospheric air?</p> <p>A1 : ABD</p> <p>A2 : BCD</p> <p>A3 : ABCD – (Correct Alternative)</p> <p>A4 : None of these</p>		
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Objective Question

7	7	<p>The following are some common diseases:</p> <p>A. Diphtheria</p> <p>B. Rabies</p> <p>C. Cholera</p> <p>D. Malaria</p> <p>Which of the above diseases are not caused by Virus?</p> <p>A1 : ABC</p> <p>A2 BCD</p>	1. 0	0.2 5
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		<p>:</p> <p>A3 ADC – (Correct Alternative)</p> <p>:</p> <p>A4 ABD</p> <p>:</p>		
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Objective Question

8	8	<p>Which of the following is Greenhouse gas?</p> <p>A1 Carbon Monoxide</p> <p>:</p> <p>A2 Carbon Dioxide – (Correct Alternative)</p> <p>:</p> <p>A3 Sulphur Dioxide</p> <p>:</p> <p>A4 Chlorine</p> <p>:</p>	1.0	0.25
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Objective Question

9	9	<p>Tuberculosis is caused due to</p> <p>A1 Bacteria – (Correct Alternative)</p> <p>:</p> <p>A2 Virus</p> <p>:</p> <p>A3 Fungus</p> <p>:</p> <p>A4 None of the above</p> <p>:</p>	1.0	0.25
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Objective Question				
10	10	<p>United Nations Headquarter is situated at</p> <p>A1 Geneva :</p> <p>A2 Washington D.C. :</p> <p>A3 New York – (Correct Alternative) :</p> <p>A4 Paris :</p>	1. 0	0.2 5
Objective Question				
11	11	<p>A seller gives a discount of 25% on a product with MRP marked INR 3680. He earns a profit of 15% over its cost price in this transaction. Cost price of the product is</p> <p>A1 2100 :</p> <p>A2 2200 :</p> <p>A3 2300 :</p> <p>A4 2400 – (Correct Alternative) :</p>	1. 0	0.2 5
Objective Question				
12	12	<p>The side of a rectangular field is in ratio 4:5. Area of the field is 12500 sq mt. If the cost of fencing is INR 5/meter, how much it will cost to fence entire field?</p> <p>A1 INR 61,000 :</p>	1. 0	0.2 5

		<p>A2 INR 62,500 – (Correct Alternative)</p> <p>:</p> <p>A3 INR 63,500</p> <p>:</p> <p>A4 INR 65,000</p> <p>:</p>		
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Objective Question

13	13	<p>A box has 3 red, 2 yellow and 5 green balls. If two balls are drawn at random, what is the probability that both are yellow balls?</p> <p>A1 $\frac{1}{45}$ – (Correct Alternative)</p> <p>:</p> <p>A2 $\frac{5}{18}$</p> <p>:</p> <p>A3 $\frac{3}{31}$</p> <p>:</p> <p>A4 $\frac{2}{9}$</p> <p>:</p>	1. 0	0.2 5
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Objective Question

14	14	<p>If X and Y together can do a piece of work in 6 days. X alone can do the same work in 15 days. What time will Y take to do the same work alone?</p> <p>A1 8 days</p> <p>:</p> <p>A2 9 days</p> <p>:</p>	1. 0	0.2 5
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		<p>A3 10 days – (Correct Alternative) :</p> <p>A4 12 days :</p>		
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Objective Question

15	15	<p>If a solid sphere of radius 15 cm is molded into 27 spherical smaller solid balls of equal radius, then the surface area of each smaller ball is</p> <p>A1 $100\Omega\text{cm}^2$ – (Correct Alternative) :</p> <p>A2 $105\Omega\text{cm}^2$:</p> <p>A3 $110 \Omega\text{cm}^2$:</p> <p>A4 $115\Omega\text{cm}^2$:</p>	1.0	0.25
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Objective Question

16	16	<p>Three six-sided dice are rolled simultaneously, what is the probability of getting a different number on each dice?</p> <p>A1 $\frac{1}{3}$:</p> <p>A2 $\frac{2}{3}$:</p> <p>A3 $\frac{4}{9}$:</p> <p>A4 $\frac{5}{9}$ – (Correct Alternative) :</p>	1.0	0.25
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Objective Question				
17	17	<p>The speed of a boat is 20 km/hr in still water. If the river is running at 5 km/hr, it takes boat 96 minutes to go to a place and come back to initial position. How far is the place from the initial point?</p> <p>A1 12 km :</p> <p>A2 13 km :</p> <p>A3 15 km – (Correct Alternative) :</p> <p>A4 18 km :</p>	1. 0	0.2 5
Objective Question				
18	18	<p>What is the probability of drawing an Ace or a King from a deck of 52 cards?</p> <p>A1 $\frac{1}{13}$:</p> <p>A2 $\frac{2}{13}$ – (Correct Alternative) :</p> <p>A3 $\frac{1}{52}$:</p> <p>A4 $\frac{1}{26}$:</p>	1. 0	0.2 5
Objective Question				
19	19	<p>A cricketer has an average of 55 runs in 5 innings. Find out how many runs she needed to score in her sixth innings to raise her average to 60 runs?</p>	1. 0	0.2 5

		A1 60 : A2 75 : A3 80 : A4 85 – (Correct Alternative) :		
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Objective Question

20	20	The LCM of two numbers is 900 and their HCF is 50. If one of the numbers is 450, the other is A1 120 : A2 100 – (Correct Alternative) : A3 125 : A4 150 :	1.0	0.25
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Objective Question

21	21	If you write an original software, what type of IP rights you can get to make and sell copies of your work? A1 Copyright – (Correct Alternative) : A2 Patents :	1.0	0.25
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		A3 Registered Designs :		
		A4 Trademarks :		

Objective Question

22	22	International organization with objective to encourage creative activity and to promote intellectual property throughout world is	1.0	0.25
		A1 WIPO – (Correct Alternative) :		
		A2 World Bank :		
		A3 WTO :		
		A4 UNDP :		

Objective Question

23	23	_____ is a form of intellectual property that protects the expression of ideas	1.0	0.25
		A1 Trade name :		
		A2 Copyright – (Correct Alternative) :		
		A3 Patent :		
		A4 Trade Mark :		

Objective Question				
24	24	<p>A formula, process, device or other business information that has commercial value and is kept confidential to maintain an advantage over competitors is known as a:</p> <p>A1 Patent :</p> <p>A2 Trade secret – (Correct Alternative) :</p> <p>A3 Copyright :</p> <p>A4 Trade Mark :</p>	1.0	0.25
Objective Question				
25	25	<p>Fair use allows you to use a limited amount of copyrighted material for your educational use. Which step below does NOT pass the fair use test?</p> <p>A1 Will be used for a non-profit educational purpose :</p> <p>A2 Will be used on a Web page – (Correct Alternative) :</p> <p>A3 Will only use a small portion :</p> <p>A4 Will not deprive the author from making money :</p>	1.0	0.25
Objective Question				
26	26	<p>Term of patent in India is</p> <p>A1 15 years :</p>	1.0	0.25

		<p>A2 25 years :</p> <p>A3 20 years – (Correct Alternative) :</p> <p>A4 10 years :</p>		
Objective Question				
27	27	<p>What does a trademark protect?</p> <p>A1 An invention :</p> <p>A2 a work of art :</p> <p>A3 logos, names and brands – (Correct Alternative) :</p> <p>A4 the look, shape and feel of a product :</p>	1. 0	0.2 5
Objective Question				
28	28	<p>If a company develops a new technology that improves its main product, what type of intellectual property can they use to stop others from copying their invention ?</p> <p>A1 Copyright :</p> <p>A2 Geographical indications :</p> <p>A3 Patents – (Correct Alternative) :</p>	1. 0	0.2 5

		A4 Trademarks :		
Objective Question				
29	29	A patent awarded by the patent office in Japan is valid in: A1 Indonesia : A2 Japan – (Correct Alternative) : A3 All ASEAN countries : A4 All countries that adhere to TRIPS :	1. 0	0.2 5
Objective Question				
30	30	Which of the following is NOT a basic requirement for a patent? A1 It must have utility : A2 It must be novel : A3 It must not be obvious to a person of ordinary skill in the field : A4 It must be extraordinary creative – (Correct Alternative) :	1. 0	0.2 5
Objective Question				
31	31	Choose the word or phrase that is most nearly opposite in meaning to the word in capital letter . LICENSED:	1. 0	0.2 5

		<p>A1 : Unnoticed</p> <p>A2 : unwritten</p> <p>A3 : not formally authorised – (Correct Alternative)</p> <p>A4 : not properly trained</p>		
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Objective Question

32	32	<p>Clear the jumble and select a grammatically correct sentence which also makes sense. To/ pay/ fifty/ rupees/ much/ too/ was/ me/ for/ thousand/ just</p> <p>A1 Fifty thousand rupees was just too much for me to pay – : (Correct Alternative)</p> <p>A2 : Pay just fifty thousand rupees to me was too much</p> <p>A3 : Fifty thousand rupees was too much just to pay for me</p> <p>A4 : To pay just fifty thousand rupees was too much for me</p>	1. 0	0.2 5
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Objective Question

33	33	<p>Select the word or set of words that <u>best</u> completes the following sentence. Because our supply of fossil fuel has been sadly ____, we must find __ source of energy.</p> <p>A1 : stored.....hoarded</p> <p>A2 : compensated.....significant</p>	1. 0	0.2 5
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		<p>A3 exhausted....inefficient :</p> <p>A4 depleted.....alternate – (Correct Alternative) :</p>		
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Objective Question

34	34	<p>Tick the word <u>closest</u> in meaning to the word in <i>italics</i> - an <i>audacious</i> attempt</p> <p>A1 useless :</p> <p>A2 foolish :</p> <p>A3 bold – (Correct Alternative) :</p> <p>A4 crazy :</p>	1. 0	0.2 5
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Objective Question

35	35	<p>Choose the most appropriate word to complete the following sentence: There is a _____ of cows in the next field.</p> <p>A1 Flock :</p> <p>A2 Swarm :</p> <p>A3 Group :</p> <p>A4 Herd – (Correct Alternative)</p>	1. 0	0.2 5
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Objective Question

36	36	Choose the phrase which fits the sentence best : The bus _____ coming.	1.0	0.25
		A1 Will :		
		A2 Has :		
		A3 Is – (Correct Alternative) :		
		A4 On :		

Objective Question

37	37	Choose the correctly spelt word:	1.0	0.25
		A1 adversity – (Correct Alternative) :		
		A2 adeversity :		
		A3 advercity :		
		A4 aedversity :		

Objective Question

38	38	Which of the following words best explains the phrase given below? One who abandons his religious faith.	1.0	0.25
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		<p>A1 traitor :</p> <p>A2 apostate – (Correct Alternative) :</p> <p>A3 prostrate :</p> <p>A4 blasphemmer :</p>		
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Objective Question

39	39	<p>Select the word that is most appropriate to complete the sentence: He was blind _____ one eye.</p> <p>A1 with :</p> <p>A2 along :</p> <p>A3 in – (Correct Alternative) :</p> <p>A4 on :</p>	1. 0	0.2 5
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Objective Question

40	40	<p>Choose the word or phrase that is most nearly opposite in meaning to the given word. Widely</p> <p>A1 narrowly – (Correct Alternative) :</p> <p>A2 spaciouly :</p>	1. 0	0.2 5
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		A3 broadly :		
		A4 relatively :		

Objective Question

41	41	Which of the following are prime numbers? A1 1,3,5 : A2 1,5,7 : A3 2,3,5 – (Correct Alternative) : A4 1,7,9 :	1. 0	0.2 5
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Objective Question

42	42	A watch which gains 5 seconds in 3 minutes was set right at 7 a.m. In the afternoon of the same day, when the watch indicated quarter past 4 o'clock, the true time is A1 $59\frac{7}{11}$ min. past 3 p.m. : A2 4 P.M. – (Correct Alternative) : A3 $58\frac{7}{11}$ min., past 3 p.m. : A4 $2\frac{3}{11}$ min. past 4 p.m. :	1. 0	0.2 5
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Objective Question				
43	43	<p>In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of ground is</p> <p>A1 75 cu. m :</p> <p>A2 750 cu. m – (Correct Alternative) :</p> <p>A3 7500 cu. m :</p> <p>A4 75000 cu. m :</p>	1.05	0.25
Objective Question				
44	44	<p>The total time taken by a boatman to row his boat upstream and downstream distance of 56 km together is 12 hours. The difference between times taken by him to row his boat another upstream and downstream distance of 42 km is 3 hours. Find the speed of boat and stream.</p> <p>A1 12.5 kmph, 1.5 kmph :</p> <p>A2 11.5 kmph, 2.5 kmph :</p> <p>A3 9.5 kmph, 4.5 kmph :</p> <p>A4 10.5 kmph, 3.5 kmph – (Correct Alternative) :</p>	1.05	0.25
Objective Question				
45	45	<p>A says to B "I am twice as old as you were when I was as old as you are". The sum of their ages is 56 years. Find the difference of their ages.</p>	1.05	0.25

		<p>A1 9 :</p> <p>A2 11 :</p> <p>A3 13 :</p> <p>A4 8 – (Correct Alternative) :</p>		
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Objective Question

46	46	<p>A container contains 40 litres of milk. From this container 4 litres of milk was taken out and replaced by water. This process was repeated further two times. How much milk is now contained by the container?</p> <p>A1 26.16 :</p> <p>A2 28.16 :</p> <p>A3 29.16 – (Correct Alternative) :</p> <p>A4 30.16 :</p>	1.0	0.25
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Objective Question

47	47	<p>How many times is the HCF of 48, 36, 72, and 24 contained in their LCM?</p> <p>A1 8 times :</p> <p>A2 16 times</p>	1.0	0.25
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		<p>:</p> <p>A3 12 times – (Correct Alternative)</p> <p>:</p> <p>A4 4 times</p> <p>:</p>		
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Objective Question

48	48	<p>In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together?</p> <p>A1 120</p> <p>:</p> <p>A2 720 – (Correct Alternative)</p> <p>:</p> <p>A3 4320</p> <p>:</p> <p>A4 1440</p> <p>:</p>	1. 0	0.2 5
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Objective Question

49	49	<p>Tea worth Rs. 126 per kg and Rs. 135 per kg are mixed with a third variety in the ratio 1:1:2. If the mixture is worth Rs. 153 per kg, the price of the third variety per kg will be:</p> <p>A1 Rs. 169.50</p> <p>:</p> <p>A2 Rs. 170</p> <p>:</p> <p>A3 Rs. 180</p> <p>:</p>	1. 0	0.2 5
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		A4 Rs. 175.50 – (Correct Alternative) :		
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Objective Question

50	50	<p>In an exam, Class A scored an average of 50 marks with standard deviation of 5. Class B scored an average of 50 with standard deviation of 9. Which of the following statements is true?</p> <p>A1 : Class B has more students than Class A.</p> <p>A2 : Class A has more students than Class B</p> <p>A3 : Class A has more outlier students than Class B</p> <p>A4 Class B has more outlier students than Class A – (Correct Alternative)</p>	1. 0	0.2 5
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Objective Question

51	51	<p>C is favorite child of F. C is fond of her younger brother B. B is not the only sibling of A. F loves her father M. What is A to M?</p> <p>A1 Grand child – (Correct Alternative) :</p> <p>A2 : Grand parent</p> <p>A3 : No relation</p> <p>A4 : Parent</p>	1. 0	0.2 5
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Objective Question

52	52	If HEN = 124; WIRE = 9752; and RAT = 538, EATEN is	1.	0.2
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		_____?	0	5
		A1 : 28324		
		A2 : 23874		
		A3 : 23824 – (Correct Alternative)		
		A4 : 42832		

Objective Question

53	53	A pen was marked as Rs 1000. After a good negotiation, I bought it at a discount of 20%. Now I am offering the same pen at 20% profit. What is the difference between the new price and old price?	1.0	0.25
		A1 : Rs. 160		
		A2 : Rs. 200		
		A3 : Rs. 40 – (Correct Alternative)		
		A4 : No difference		

Objective Question

54	54	In Roman numerals, M, L, and XL stand for _____.	1.0	0.25
		A1 : 1000, 50, 40 – (Correct Alternative)		

		A2 : 40, 42, 44		
		A3 : 30, 40, 50		
		A4 : 1000, 40, 50		

Objective Question

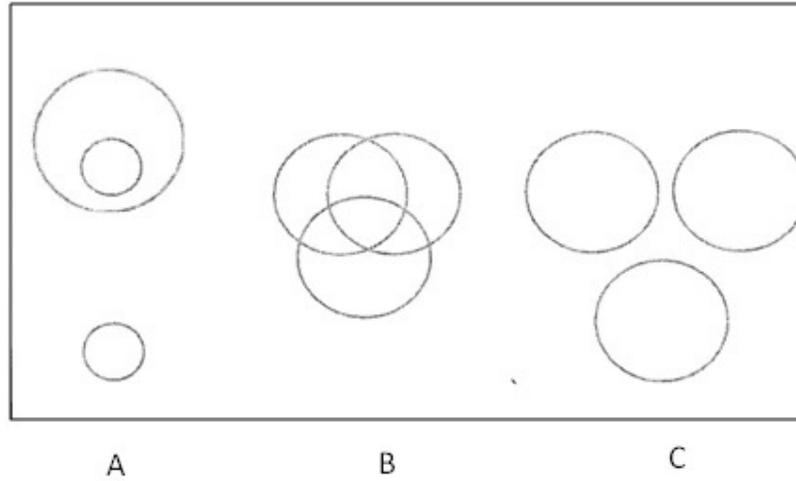
55	55	<p>In the following diagram, triangle represents mathematicians, rectangle represents programmers and circle represents philosophers. Which of the following is incorrect?</p>  <p>A1 : Some of the philosophers are programmers.</p> <p>A2 : Some of the programmers are mathematicians.</p> <p>A3 Some of the mathematicians are philosophers. – (Correct Alternative)</p> <p>A4 : Some of the programmers are not mathematicians</p>	1. 0	0.2 5
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Objective Question

56	56		1.	0.2
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0 5

Which of the diagrams best fits the association between Sparrow.



A1 A – (Correct Alternative)

A2 B

A3 C

A4 D

Objective Question

57 57

A person walks at 10km/h for 6hr and at 8km/h for 12hr. Her average speed is ____ km/h

1. 0.2
0 5

A1 6.22

A2 8.67 – (Correct Alternative)

		: A3 3.77 : A4 9 :		
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Objective Question

58	58	If K and M together own 1750 balls. If $\frac{4}{25}$ of K's share is equal to $\frac{2}{5}$ of M's share, how many balls M have? A1 1250 : A2 500 – (Correct Alternative) : A3 750 : A4 1050 :	1. 0	0.2 5
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Objective Question

59	59	A large number of people suffer from Dengue every year in India. Dengue is spread by female mosquitoes during the day time. Dengue can be prevented by avoiding all chances of mosquitoes breeding. The para best supports the statement that A1 Male mosquitoes do not spread diseases : A2 People should not step out during the day time : A3 Mosquitoes breeding should be stopped – (Correct Alternative) :	1. 0	0.2 5
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		A4 : Dengue is the only diseases that affects Indian people		
Objective Question				
60	60	A player was asked to run around the circular cricket ground as punishment. The coach was standing at the exact center of the ground which was 100 M from the boundary. How much distance does the player cover in one round? A1 : 200.8 A2 : 628.32 – (Correct Alternative) A3 : 800.8 A4 : 400.4	1. 0	0.2 5
Objective Question				
61	61	Pungency in chilli is due to the presence of one of the following A1 : Capsaicin – (Correct Alternative) A2 : Sulphur A3 : Amides A4 : Magnesium	1. 0	0.2 5
Objective Question				

62	62	Which of the following fruit contains the highest amount of Ascorbic acid	1.0	0.25
		<p>A1 : Amla – (Correct Alternative)</p> <p>A2 : Mango</p> <p>A3 : Apple</p> <p>A4 : Orange</p>		

Objective Question

63	63	The preservative used for the preparation of tomato ketchup is	1.0	0.25
		<p>A1 : Potassium metabisulphite</p> <p>A2 : Sodium benzoate – (Correct Alternative)</p> <p>A3 : Sodium metabisulphite</p> <p>A4 : Citric acid</p>		

Objective Question

64	64	Wax coating enhances the shelf life of fruits because it blocks	1.0	0.25
		<p>A1 : Transpiration – (Correct Alternative)</p> <p>A2 : Respiration</p>		

		<p>A3 Ripening process :</p> <p>A4 None of these :</p>		
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Objective Question

65	65	<p>A cyclone separator is used for separating</p> <p>A1 Particles from liquids :</p> <p>A2 Liquid droplets from gases :</p> <p>A3 Fine particles from solids – (Correct Alternative) :</p> <p>A4 All of these :</p>	1. 0	0.2 5
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Objective Question

66	66	<p>The most common fumigant for storage of cereals is</p> <p>A1 Zinc phosphide :</p> <p>A2 Ethylene dibromide :</p> <p>A3 Aluminium phosphide – (Correct Alternative) :</p> <p>A4 DDT :</p>	1. 0	0.2 5
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Objective Question

67	67	Extraction of a soluble constituent from a solid by means of solvent is known as	1.0	0.25
		A1 : Distillation		
		A2 Leaching – (Correct Alternative) :		
		A3 : Evaporation		
		A4 : Sublimation		

Objective Question

68	68	The temperature range for ultra high temperature sterilization of milk is	1.0	0.25
		A1 : 90-100°C		
		A2 : 100-115°C		
		A3 135-150 °C – (Correct Alternative) :		
		A4 : None of these		

Objective Question

69	69	On the basis of respiration fruits can be classified as	1.0	0.25
		A1 : Parthenocarpic		
		A2 Climacteric and Non climacteric – (Correct Alternative)		

		<p>:</p> <p>A3 Non climacteric</p> <p>:</p> <p>A4 None of these</p> <p>:</p>		
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Objective Question

70	70	<p>Zero energy cool chamber operates on the principle of</p> <p>A1 Second law of thermodynamics</p> <p>:</p> <p>A2 Evaporative cooling – (Correct Alternative)</p> <p>:</p> <p>A3 Boyle’s law</p> <p>:</p> <p>A4 Charle’s law</p> <p>:</p>	1.0	0.25
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Objective Question

71	71	<p>A potential disadvantage of immunological protection using passive transfer of horse globulins is</p> <p>A1 Serum sickness – (Correct Alternative)</p> <p>:</p> <p>A2 Irreversible protection</p> <p>:</p> <p>A3 Lack of antibody mediated protection</p> <p>:</p> <p>A4 Type IV hypersensitive reaction</p> <p>:</p>	1.0	0.25
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Objective Question				
72	72	<p>In type 1 hypersensitivity which type of antibodies are involved</p> <p>A1 : IgM</p> <p>A2 : IgA</p> <p>A3 : IgG</p> <p>A4 : IgE – (Correct Alternative)</p>	1. 0	0.2 5
Objective Question				
73	73	<p>If a drug is to be administered intradermally, how would you deposit it?</p> <p>A1 : Inject it into the loose subcutaneous tissue</p> <p>A2 : Inject into the deltoid muscle</p> <p>A3 : Inject it into the skin raising a bleb – (Correct Alternative)</p> <p>A4 : Infused slowly in one of the superficial veins</p>	1. 0	0.2 5
Objective Question				
74	74	<p>Injection of anti-venom to a patient for snake bite is an example of</p> <p>A1 : Naturally acquired active immunity</p>	1. 0	0.2 5

		<p>A2 : artificially acquired active immunity</p> <p>A3 : naturally acquired passive immunity</p> <p>A4 artificially acquired passive immunity – (Correct Alternative)</p>		
Objective Question				
75	75	<p>What is the target of clavulanic acid?</p> <p>A1 : The transpeptidase enzyme</p> <p>A2 : L-ala racemase</p> <p>A3 b-lactamase – (Correct Alternative)</p> <p>A4 : Penicillin acylase</p>	1. 0	0.2 5
Objective Question				
76	76	<p>What are adverse drug reactions (ADRs)?</p> <p>A1 The synergistic effects that are seen when some drugs are : administered concurrently</p> <p>A2 Responses to increased drug doses required to achieve the : same physiological outcome</p> <p>A3 Unintended alternative physiological responses caused : by the drug that cause harm to the patient – (Correct Alternative)</p>	1. 0	0.2 5

		A4 Harmful chemical interactions between two drugs that are : used to treat the same clinical symptoms		
Objective Question				
77	77	The major reason for rejection of transplanted tissue is A1 : Incompatible B cells between donor and recipient A2 : incompatible T cells between donor and recipient A3 : incompatible set of antibodies between donor and recipient A4 incompatible MHC class I molecules between donor and : recipient – (Correct Alternative)	1. 0	0.2 5
Objective Question				
78	78	Hematopoietic stem cells are found in A1 : Skin A2 : Spleen A3 Bone marrow – (Correct Alternative) : A4 : Peyer's patches	1. 0	0.2 5
Objective Question				
79	79	The part of a DNA molecule that varies among DNA molecules is its A1 Sugars	1. 0	0.2 5

		<p>:</p> <p>A2 Phosphates</p> <p>:</p> <p>A3 Glycerol</p> <p>:</p> <p>A4 Nitrogenous bases – (Correct Alternative)</p> <p>:</p>		
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Objective Question

80	80	<p>DNA exists in a double-stranded form whereas RNA is mainly a single stranded molecule. What is the likely reason for DNA being double stranded?</p> <p>A1 RNA strands cannot form base pairs</p> <p>:</p> <p>A2 Double stranded DNA is a more stable structure – (Correct Alternative)</p> <p>:</p> <p>A3 DNA cannot exist in the single stranded form</p> <p>:</p> <p>A4 It is easier to replicate double stranded DNA than single stranded RNA</p>	1.0	0.25
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Objective Question

81	81	<p>Which of the following is NOT an action of the body on a drug?</p> <p>A1 Absorption</p> <p>:</p> <p>A2 Distribution</p> <p>:</p> <p>A3 Excretion</p>	1.0	0.25
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		: A4 Side effects – (Correct Alternative) :		
Objective Question				
82	82	The most common monomer of carbohydrates is a molecule of A1 Glucose – (Correct Alternative) : A2 maltose : A3 amylose : A4 amylopectin :	1. 0	0.2 5
Objective Question				
83	83	Vitamins often act as a A1 Apoenzyme : A2 holoenzyme : A3 cofactor : A4 coenzyme – (Correct Alternative) :	1. 0	0.2 5
Objective Question				
84	84	Which of the following techniques is used to separate proteins based upon the differences in their mass?	1. 0	0.2 5

		<p>A1 SDS PAGE – (Correct Alternative) :</p> <p>A2 Isoelectric focusing :</p> <p>A3 Western Blot :</p> <p>A4 Ion exchange chromatography :</p>		
Objective Question				
85	85	<p>All of the following are autoimmune disorders except</p> <p>A1 Rheumatoid arthritis :</p> <p>A2 Graves disease :</p> <p>A3 SCID – (Correct Alternative) :</p> <p>A4 Addison's disease :</p>	1. 0	0.2 5
Objective Question				
86	86	<p>A patient may suffer from diabetes insipidus due to the deficiency of one of the following hormones</p> <p>A1 Insulin :</p> <p>A2 Antidiuretic hormone – (Correct Alternative) :</p>	1. 0	0.2 5

		A3 Thyroxine :		
		A4 Testosterone :		

Objective Question

87	87	Pharmacodynamics is the study of	1.0	0.25
		A1 Physiological and biochemical effects of the drug on the body – (Correct Alternative)		
		A2 Movement of the drug in and alteration of the drug by the body		
		A3 Drug interactions		
		A4 Application of pharmacological information together with the knowledge of the disease		

Objective Question

88	88	A compilation of information on drugs containing description of chemical structure, molecular weight, physical and chemical characteristics etc. is known as	1.0	0.25
		A1 Drug dictionary		
		A2 Material Safety Databank		
		A3 Pharmacopoeia – (Correct Alternative)		
		A4 Drug Encyclopedia		

Objective Question				
89	89	<p>Which of the following is not a part of the gastrointestinal tract?</p> <p>A1 Esophagus :</p> <p>A2 Trachea – (Correct Alternative) :</p> <p>A3 Small Intestine :</p> <p>A4 Rectum :</p>	1.05	0.25
Objective Question				
90	90	<p>One of the following is not a local route for drug administration</p> <p>A1 Application of cream to skin :</p> <p>A2 Eye drops :</p> <p>A3 Anesthetic jelly to urethra :</p> <p>A4 Oral administration of drug – (Correct Alternative) :</p>	1.05	0.25
Objective Question				
91	91	<p>Thalidomide was first marketed in 1957 in West Germany under the trade-name Contergan. The drug was primarily prescribed as a sedative or hypnotic. Afterwards, it was used against nausea and to alleviate morning sickness in pregnant women. Clinical studies later confirm that mothers who took Thalidomide during pregnancy had abnormally developed and malformed babies. Thalidomide was thus considered to have</p>	1.05	0.25

		<p>A1 : Toxic effects</p> <p>A2 : Lethal effects</p> <p>A3 : Teratogenic effects – (Correct Alternative)</p> <p>A4 : Carcinogenic effects</p>		
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Objective Question

92	92	<p>Which of the following was the first antibiotic agent to be used clinically?</p> <p>A1 : Penicillin – (Correct Alternative)</p> <p>A2 : Streptomycin</p> <p>A3 : Roxithromycin</p> <p>A4 : Nitrofurantoin</p>	1. 0	0.2 5
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Objective Question

93	93	<p>To diffuse through the cell membrane, a drug must be</p> <p>A1 : Hydrophilic</p> <p>A2 : Hydrophobic</p> <p>A3 : Lipophilic – (Correct Alternative)</p>	1. 0	0.2 5
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		: A4 Lipophobic :		
Objective Question				
94	94	Which of the following methods protects a drug from being destroyed by acids in stomach? A1 Liquid preparation : A2 Ingesting the active form of the drug : A3 Tablet preparation : A4 Enteric coated capsule preparation – (Correct Alternative) :	1.0	0.25
Objective Question				
95	95	As per the U S Food and Drug Administration, which of the following categories of drugs is absolutely contraindicated during pregnancy? A1 Category A : A2 Category B : A3 Category C : A4 Category X – (Correct Alternative) :	1.0	0.25

Objective Question				
96	96	<p>First pass metabolism of a drug happens in</p> <p>A1 Liver – (Correct Alternative) :</p> <p>A2 Adrenal glands :</p> <p>A3 Gall bladder :</p> <p>A4 Kidneys :</p>	1. 0	0.2 5
Objective Question				
97	97	<p>The neurotransmitter that helps in transmission of impulse across a neuromuscular junction is</p> <p>A1 Dopamine :</p> <p>A2 Acetylcholine – (Correct Alternative) :</p> <p>A3 GABA :</p> <p>A4 Serotonin :</p>	1. 0	0.2 5
Objective Question				
98	98	<p>Which of the following phases of a Clinical Trial involves healthy human volunteers as participants?</p> <p>A1 Phase I – (Correct Alternative) :</p>	1. 0	0.2 5

		A2 Phase II :		
		A3 Phase III :		
		A4 Phase IV :		

Objective Question

99	99	Identify the drug which is not used for treatment of peptic ulcer	1.0	0.25
		A1 Aspirin – (Correct Alternative) :		
		A2 Omeprazole :		
		A3 Ranitidine :		
		A4 Sucralfate :		

Objective Question

100	100	A new drug MPKDT74 has been discovered as a potential cure for flu. During the clinical trial some volunteers are randomly allocated to be treated using MPKDT74 while others are given a placebo. This process is known as	1.0	0.25
		A1 Masking (Blinding) :		
		A2 Randomization – (Correct Alternative) :		
		A3 Inclusion criteria :		

		A4 Sampling :		
Objective Question				
10 1	101	<p>One of the following is incorrect about Eicosanoids</p> <p>A1 Prostaglandins (PGs) cause vasodilation of most vascular : beds</p> <p>A2 Thromboxane A2 decreases platelet aggregation – : (Correct Alternative)</p> <p>A3 PGE2 and PGF12 keep ductus arteriosus open :</p> <p>A4 PGE2 and PGF2α help in contraction of the uterus :</p>	1. 0	0.2 5
Objective Question				
10 2	102	<p>Obesity should be managed with diet and exercise. When diet and exercise do not work alone, they should be used in combination with pharmacotherapy. Identify the drug that is ineffective as pharmacotherapy for obesity</p> <p>A1 Anti-histaminics – (Correct Alternative) :</p> <p>A2 Orlistat :</p> <p>A3 Phentermine :</p> <p>A4 Amphetamine :</p>	1. 0	0.2 5
Objective Question				

103	103	<p>The drug of choice for Methicilline-resistant Staphylococcus aureus (MRSA) is</p> <p>A1 : Cephalexin</p> <p>A2 : Streptomycin</p> <p>A3 : Vancomycin – (Correct Alternative)</p> <p>A4 : Amphotericin B</p>	1.0	0.25
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Objective Question

104	104	<p>One of the following statements about the drug “Ecstasy” is not correct?</p> <p>A1 : It is an amphetamine-like synthetic compound</p> <p>A2 : Has stimulant and hallucinogenic properties</p> <p>A3 : Chemically – Methylene dioxy methamphetamine</p> <p>A4 : Prevents neurotoxicity – (Correct Alternative)</p>	1.0	0.25
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Objective Question

105	105	<p>One of the following is not a psychostimulant</p> <p>A1 : Heroin – (Correct Alternative)</p> <p>A2 Amphetamines</p>	1.0	0.25
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		: A3 Modafinil : A4 Caffeine :		
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Objective Question

106	106	One of the following statements with regards to combined effects of Drugs is incorrect A1 : Additive effect: Effects of Drugs A+B = Effect of Drug A + Effect of Drug B A2 : Potentiation effect: Effects of Drugs A+B > Effect of Drug A + Effect of Drug B A3 : Antagonism: Effects of Drugs A+B < Effect of Drug A + Effect of Drug B A4 : Multiplicative effect Effects of Drugs A+B = Effect of Drug A x Effect of Drug B – (Correct Alternative)	1.05	0.25
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Objective Question

107	107	Which of the following statements related to placebo is incorrect? A1 Placebo is an inert substance which is given in the garb of a medicine A2 They work by psychodynamic rather than pharmacodynamic means A3 They do not induce any physiological responses, e.g.	1.05	0.25
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		: cannot release endorphins in brain – (Correct Alternative)		
		A4 “Placebo reactors” respond to placebos more easily		

Objective Question

108	108	Drug of choice for Generalized tonic-clonic seizure (Grand Mal) is	1.0	0.25
		A1 Carbamazepine – (Correct Alternative)		
		A2 Clobazam		
		A3 Fosphenytoin		
		A4 Ethosuximide		

Objective Question

109	109	Gray baby syndrome is associated with the use of one of the following antibiotics	1.0	0.25
		A1 Metronidazole		
		A2 Tetracycline		
		A3 Chloramphenicol – (Correct Alternative)		
		A4 Zidovudine		

Objective Question

110	110	5-hydroxytryptamine is also known as A1 : Histamine A2 : Serotonin – (Correct Alternative) A3 : Tryptophan A4 : Testosterone	1.0	0.25
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Objective Question

111	111	Which of the following requires activation by viral specific enzyme A1 : Acyclovir – (Correct Alternative) A2 : Cidofovir A3 : Amantadine A4 : Oseltamivir	1.0	0.25
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Objective Question

112	112	Which of the following is not included in Directly Observed Treatment, Short course (DOTS) regime for treatment of tuberculosis? A1 : Rifampicin A2 Isoniazid	1.0	0.25
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		<p>:</p> <p>A3 Pyrazinamide</p> <p>:</p> <p>A4 Ethionamide – (Correct Alternative)</p> <p>:</p>		
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Objective Question

113	113	<p>Which of the following is not a characteristic of a competitive antagonist?</p> <p>A1 Antagonist binds with the same receptor as the agonist</p> <p>:</p> <p>A2 Antagonist resembles the agonist chemically</p> <p>:</p> <p>A3 Maximum response depends only on concentration of antagonist – (Correct Alternative)</p> <p>A4 The same maximum response can be attained by increasing the dose of agonist</p>	1.0	0.25
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Objective Question

114	114	<p>The consensus classification of drug receptors has been developed by</p> <p>A1 International Union of Biological Drugs and Pharmacy (IUBDP)</p> <p>A2 International Committee on Drugs and Enzyme Receptors (ICDER)</p> <p>A3 International Union of Basic and Clinical Pharmacology (IUPHAR) – (Correct Alternative)</p> <p>A4 International Union on Medical Sciences (IUMS)</p>	1.0	0.25
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Objective Question				
11 5	115	One of the following drugs is not banned as a single drug preparation in India A1 : Practolol A2 : Rofecoxib A3 : Gatifloxacin A4 : Alprazolam – (Correct Alternative)	1. 0	0.2 5
Objective Question				
11 6	116	Which of the following is a mineralocorticoid? A1 : Aldosterone – (Correct Alternative) A2 : Prednisolone A3 : Dexamethasone A4 : Hydrocortisone	1. 0	0.2 5
Objective Question				
11 7	117	Which of the following statements about the influence of cirrhosis on drug disposition is incorrect? A1 Bioavailability of drugs having high first pass metabolism is	1. 0	0.2 5

		<p>: increased</p> <p>A2 : Metabolism of drugs like morphine is decreased</p> <p>A3 Prodrugs needing hepatic metabolism for activation become : less effective</p> <p>A4 Protein binding of acidic drugs like diclofenac is : increased due to increased levels of serum albumin – (Correct Alternative)</p>		
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Objective Question

11 8	118	<p>Calculate how many half-lives are required to eliminate at least 99% of a drug</p> <p>A1 1 :</p> <p>A2 3 :</p> <p>A3 5 :</p> <p>A4 7 – (Correct Alternative) :</p>	1. 0	0.2 5
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Objective Question

11 9	119	<p>Which of the following is a Non-nucleoside reverse transcriptase inhibitor (NNRTI)?</p> <p>A1 Zidovudine :</p> <p>A2 Didanosine :</p>	1. 0	0.2 5
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		A3 : Tenofovir		
		A4 : Nevirapine – (Correct Alternative)		
Objective Question				
12 0	120	<p>Consider the following statements related to the thyroid gland:</p> <p>(i) Thyroid gland secretes three hormones – thyroxine (T4), triiodothyronine (T3) and calcitonin</p> <p>(ii) T3 is more potent than T4 and acts faster</p> <p>(iii) The thyroid hormones are synthesized and stored in the parathyroid glands</p> <p>(iv) T3 and T4 decrease BMR by inhibition of cellular metabolism</p> <p>In the context of the statements above which of the following option is correct?</p> <p>A1 : Only statement (i) is correct</p> <p>A2 : Statements (i) and (ii) are correct, others are incorrect – (Correct Alternative)</p> <p>A3 : Statements (i), (ii), (iii) are correct, statement (iv) is incorrect</p> <p>A4 : All the statements, (i), (ii), (iii) and (iv) are correct</p>	1. 0	0.2 5